

U.S. Patent Application No. 10/008,633

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Proposed Amendment

15. (Amended) A method comprising:

contacting an object with a cleaning liquid while the cleaning liquid is in the state of a two-phase solution, thereby removing contaminants from the object, the cleaning liquid comprising water and an organic component in amounts that are: (i) not fully miscible ~~under at a first temperature set of conditions~~, in which the two-phase solution is formed, and (ii) fully miscible ~~under at a second temperature set of conditions~~, in which a homogeneous, one-phase solution is formed, the first temperature being higher than the second temperature,

changing the state of the cleaning liquid from the two-phase solution into the homogeneous, one-phase solution by bringing the cleaning liquid to the second temperature application of the second set of conditions, and

removing contaminants from the cleaning liquid while the cleaning liquid is in the state of the homogeneous, one-phase solution.

16-17. (Not amended)

18. (Cancel)

19-23. (Not amended)

24. (Cancel)

25. (Amended) A method as in claim ~~24~~ 23, wherein the step of removing contaminants from the cleaning liquid comprises filtering the cleaning liquid.

26. (Not Amended)

27. (Amended) A method comprising:

subjecting a cleaning liquid to a first set of conditions, wherein the cleaning liquid is brought into a state of a two-phase emulsion, the cleaning liquid comprising water and an

organic component having lipophilic and hydrophilic groups, the amounts of the water and the organic component being selected so that the cleaning liquid forms: (i) the two-phase emulsion under the first set of conditions and (ii) a homogeneous, one-phase solution under a second set of conditions, the first and second sets of conditions including ~~at least one of pressure, temperature and agitation~~ the temperature of the first set of conditions is higher than the temperature of the second set of conditions,

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contacting an object with the two-phase emulsion, thereby removing contaminants from the object while the cleaning liquid is in the state of the two-phase emulsion, wherein the object is selected from the group consisting of metals, glasses, ceramics, plastics, electric components and combinations thereof,

subjecting the cleaning liquid to the second set of conditions, wherein the cleaning liquid is brought into the state of the homogeneous, one-phase solution, and

removing the contaminants, which were removed from the object during the applying/cleaning step, from the cleaning liquid while the cleaning liquid is in the state of the homogenous, one-phase solution.

28. (Cancel)

29. (Not Amended)

30. (Cancel)

31 -34. (Not Amended)